

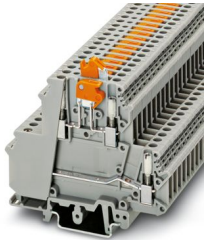
UKK 5-MTK-P/P - Knife-disconnect terminal block



2800004

<https://www.phoenixcontact.com/us/products/2800004>

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Knife-disconnect terminal block, With test socket screws for insertion of test plugs, nom. voltage: 400 V, nominal current: 26 A, 1st and 2nd level, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 4 mm², 2nd level, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 4 mm², mounting: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- Closed housing of double-level terminal blocks
- Space-saving design just 6.2 mm wide
- User-friendly disconnect knife operation

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2800004 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE12 |
| Product key | BE1231 |
| GTIN | 4017918074173 |
| Weight per piece (including packing) | 24.6 g |
| Weight per piece (excluding packing) | 23.14 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

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Technical data

Product properties

| | |
|-----------------------|---------------------------|
| Product type | Disconnect terminal block |
| Number of connections | 4 |
| Number of rows | 2 |
| Potentials | 2 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

Connection data

| | |
|---------------------------------|-------------------|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm ² |

1st and 2nd level

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 8 mm |
| Internal cylindrical gage | A3 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section, flexible [AWG] | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, rigid | 0.2 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.2 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 26 A |
| Maximum load current | 26 A (with 4 mm ² conductor cross-section) |
| Nominal voltage | 400 V |

2nd level

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| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, rigid | 0.2 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.2 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 12 A |
| Maximum load current | 12 A (with 4 mm ² conductor cross-section) |
| Nominal voltage | 400 V |

Dimensions

| | |
|--------------------|---------|
| Width | 6.1 mm |
| Height | 80 mm |
| Depth on NS 32 | 73 mm |
| Depth on NS 35/7,5 | 68 mm |
| Depth on NS 35/15 | 75.5 mm |

Material specifications

| | |
|---|-----------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V2 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -40 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 125 °C |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
|---------------------------------|--|

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| | |
|--|---|
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| | IEC 60947-7-1 |

Mounting

| | |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |
| | NS 32 |

Drawings

Circuit diagram



UKK 5-MTK-P/P - Knife-disconnect terminal block





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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2800004>

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | | | | |
| upper level | 300 V | 15 A | 26 - 12 | - |
| lower level | 300 V | 25 A | 26 - 12 | - |
| C | | | | |
| upper level | 300 V | 15 A | 26 - 12 | - |
| lower level | 300 V | 25 A | 26 - 12 | - |
| F | | | | |
| upper level | 400 V | 15 A | 26 - 12 | - |
| lower level | 400 V | 25 A | 26 - 12 | - |

|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 300 V | 15 A | 22 - 12 | - |

|  cUL Recognized Approval ID: FILE E 60425 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | | | | |
| | 250 V | - | 26 - 12 | - |
| C | | | | |
| | 300 V | - | 26 - 12 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250108 |
| ECLASS-15.0 | 27250108 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000902 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | edfc9729-4695-4f9e-bbfe-0b39317af5ed |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.124 kg CO2e |
|---------|---------------|

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